CLAIMS

1.   A portable hand held camera comprising: at least one area image sensor for imaging a scene; a camera processor adapted to process said imaged scene in accordance with a programmable scene transformation requirement; and a printer for printing out said processed imaged scene on print media, utilizing print media and printing ink stored in a detachable print roll inside said camera system, the print roll being adapted to store the print media and the printing ink for utilization by said printer, said print roll being detachable from said camera; said camera comprising a unit for the imaging of scenes by said area image sensor and printing said scenes directly out of said camera via said printer; the camera further comprising a card reader for reading a scene transformation requirement from a card inserted into said card reader.

2.   A portable hand held camera as claimed in claim 1 wherein said card reader is adapted to read a scene transformation requirement encoded as an array of dots on a card.

3.   A portable hand held camera as claimed in claim 1 wherein said print roll includes an authentication chip containing authentication information and said camera process or means is adapted to interrogate said authentication chip to determine the authenticity of said print roll when inserted within said camera.

4.   A portable hand held camera as claimed in claim 1 wherein said printer comprises a drop on demand inkjet printer.

5.   A portable hand held camera as claimed in claim 1 further comprising a guillotine means for the separation of printed scenes.

6.   A portable hand held camera as claimed in claim 1 wherein the number of area image sensors is at least 2 and said camera processor means includes means for deriving a stereoscopic image from said area image sensors and said print media includes means for stereoscopic imaging of said stereo images so as to produce a three dimensional effect.

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7.   A portable hand held camera as claimed in claim 1 wherein the display is adapted to display a captured image modified in accordance with said scene transformation requirement.